



HP Carrier-Grade Server cc3310 Memory Installation

Memory

CAUTION The system Sensor Data Records (SDR) must be reprogrammed every time that the memory configuration is changed. Failure to reprogram the SDR may allow critical system failures to occur without an appropriate Telco alarm. Failure to recognize an alarm condition could result in loss of data or damage to equipment.

NOTE Only DDR266 is supported with a 533 MHz front side bus.

DIMMs must be installed in pairs and in the following order: 1A and 1B, 2A and 2B, 3A and 3B. The server board supports only DDR266 compliant SDRAM. Install from 256 MB to 12 GB of approved ECC memory, using up to six DIMMs.

If DIMM sizes are to be mixed, install DIMMs in order by capacity. Install the smaller capacity DIMMs in slots 1A and 1B, the same or larger DIMMs in slots 2A and 2B, and the largest DIMMs in slots 3A and 3B. Example:

1. Install the 512 MB DIMM pair in SLOTS 1A/B (2 each 256M DIMMs).
2. Install the 1 GB DIMM pair in SLOTS 2A/B (2 each 512M DIMMs).
3. Install the 2 GB DIMM pair in SLOTS 3A/B (2 each 1 GB DIMMs).

DIMM pairs must be identical. (Do not mix sizes or manufacturers.) Installed DIMMs must be the same speed. DIMM installation requirements are presented in the *HP Carrier-Grade Server cc3310 Product Guide*.

For a list of supported memory, call your service representative or visit the HP support website at <http://www.hp.com>. Search using keyword cc3310.

NOTE The cc3310 BIOS will detect memory configuration errors with an audible alarm and/or memory configuration alerts at bootup. The BIOS will display the following message:
"violates write ring back spec".



Table 1-1. HP Approved Memory and Banking Cross Reference

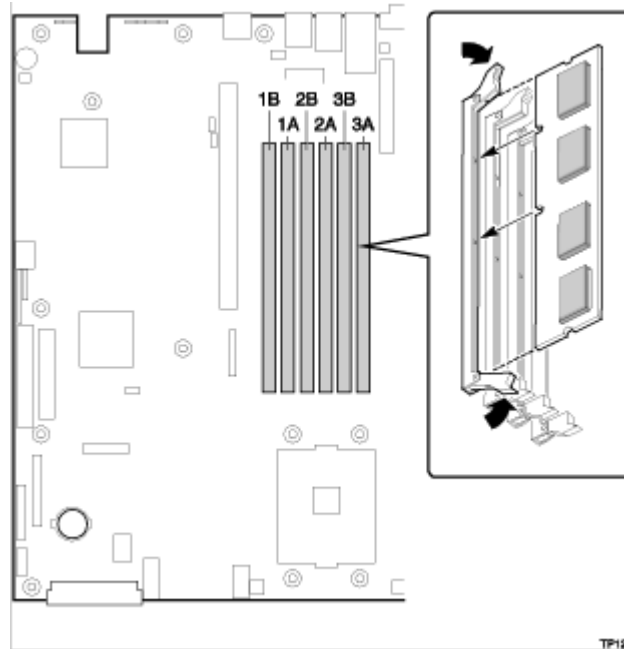
HP DIMM Part Number*	DIMM Pair Capacity	Banking Technology
A9884-62001	512 MB	SB
A9885-62001	1 GB	SB
A9886-62001	2 GB	DB
A9887-62001	4 GB	DB

* Use only the HP Approved DIMM Part Number pairs shown, or HP approved equivalents. Do not mix part numbers or manufacturers in DIMM pair installations. See *HP Carrier-Grade Server cc3310 Product Guide* for details.

Table 1-2. Acceptable DIMM Configurations

DIMM 1A and 1B	DIMM 2A and 2B	DIMM 3A and 3B
DB	Empty	Empty
DB	DB	Empty
DB	DB	DB
SB	Empty	Empty
SB	SB	Empty
SB	SB	SB
SB	DB	Empty
SB	DB	DB
SB	SB	DB

Installing Memory



Reprogramming the SDR

If you have changed the memory configuration, rewrite the SDR as follows:

1. Boot the system from the *HP Server cc3310 Information Diagnostics and Utilities Resource CD*.
2. After the server has booted, select Load Configuration Wizard.
3. When the wizard begins, press Continue.
4. Select Server Configuration Wizard and Continue.
5. Select run wizard and Continue.
6. Select Load SDRs only on to this server and Continue.
7. Set the date and time and select Continue.
8. Select Update just the SDR repository and Continue.
9. Select Yes - Activate BMC TAM and Continue.
10. Choose the desired LED configuration and select Continue.
11. Save the configuration to disk and select Continue.
12. Select OK to program SDRs.
13. Observe that the server reboots when the SDR repository has been reprogrammed.